

ABSTRACT OF THE DISCLOSURE

**Mammalian Sweet Taste Receptors**

5           The present invention provides isolated nucleic acid and amino acid sequences  
of sweet taste receptors comprising two heterologous G-protein coupled receptor  
polypeptides from the T1R family of sensory G-protein coupled receptors, antibodies to such  
receptors, methods of detecting such nucleic acids and receptors, and methods of screening  
for modulators of sweet taste receptors.

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